



Dehumidifier KT-80

Professional dehumidifier with wheels

Refrigerating cycle professional air dehumidifiers are planned for professional and semi-professional uses. They are provided with a structure made of epoxy powder painted galvanized steel sheet and four pivoting wheels to ease moving. Dehumidifiers are compact and extremely reliable and they need a very little maintenance. Our refrigerating cycle professional dehumidifiers are entirely assembled in factory, exposed to vacuum cycle tightness test and filled with R410A eco-friendly refrigerant. Our dehumidifiers owe their reliability and versatility to a specific care in the creation of the refrigerating section, indeed they are exposed to a complete functional trial before the shipment. All the devices comply with European Directives, bear the CE mark and are accompanied by a comprehensive instruction booklet with conformity certifications.

Description

The air dehumidifier in the professional refrigerated cycle series **KT-80** is especially designed for professional uses. It is suitable for heavy duty operations thanks to a sturdy steel epoxy-painted frame and it is mounted on four castors which make it easy to move. This dehumidifier is compact and extremely reliable, needing almost no maintenance. It has a washable air filter, a condensate water collection tank and can be equipped with direct drainage. It features a built-in, high-precision regulating humidistat which enables automatic shutdown of the dehumidifier when the desired humidity is reached. Extremely high performances. Upper handles to ease transports. It is also available with hot gas defrost system (model /S) for operating at low temperatures. It has eco-friendly refrigerant gas R410A and low energy consumption.




con gas 100%
ecologico **R410A**

- Hot gas defrosting
- Condensate drainage pump
- Air filter replacement
- Wall brackets
- With wheels

Applications

It is ideal for locations like new or under construction buildings, laundries, basement rooms, holiday houses, warehouses, archives, libraries and museums. It is also suitable for drying new, overflowing or restored rooms and for drying screeds applications for wooden floors. It is employed in food field, for example in places for sugar, coffee, cereals, chocolate and eggs conservation, for cold cuts and cheese aging, wine ageing, grapes drying, corn, wheat and hay exsiccation, but also in barrique cellars. **KT-80** can be used in the industrial field too; it is suitable for: pharmaceutical industry, chemical industry, textile industry, timber industry and yard, marble manufacturing and resining treatment, typography, bookbinderies and glassmaker.

Versions

KT-80: work area: +15/+35 °C

KT-80/S: work area: +1/+35 °C

Technical data

Voltage	230 V 50 Hz
Related average power consumption (at 20°C, 60% R.H.)	1050 W
Power consumption (at 26,7°C, 60% R.H.)	1280 W
Max power consumption (at 35°C, 70% R.H.)	1480 W
Max absorbed current (at 35°C, 70% R.H.) F.L.A.	7,2 A
Locked rotor current L.R.A.	28 A
Air flow	1000 mc/h
Sound pressure level (at 3 mts in free field)	52db(A)
Refrigerant	R410a
Refrigerant quantity	820 gr
Defrosting control system	elettr.+termost.
Defrosting kind	Hot Gas
Condensed water tank capacity	ca 14 lt
Condensed water draining pipe connection	3/4"
Functioning temperature range hot gas defrosting version (model /S)	+1 / +35°C
Functioning relative humidity range for <30°C temperatures	35-98%
Functioning relative humidity range for 30-32°C temperatures	35-90%
Functioning relative humidity range for 32-35°C temperatures	35-70%
Rated condensation capacity (at 30°C, 80% R.H.)	80 lt/24h
Rated condensation capacity (at 32°C, 90% R.H.)	96 lt/24h
Weight	56 Kg
Dimensions LxPxH mm	520 X 420 X 920
Compressor	PA160

Perfomance

WATER CONDENSATION WITH DIFFERENT TEMPERATURES AND HUMIDITY IN THE ENVIRONMENT												
Environmental conditions	10°C - 60%	10°C - 80%	15°C - 60%	15°C - 80%	20°C - 60%	20°C - 80%	25°C - 60%	25°C - 80%	27°C - 65%	27°C - 80%	30°C - 80%	32°C - 90%
Condensed water	15 lt/24h	26 lt/24h	22 lt/24h	35 lt/24h	30 lt/24h	45 lt/24h	38 lt/24h	55 lt/24h	42 lt/24h	60 lt/24h	80 lt/24h	96 lt/24h

Dimensional

The KT series dehumidifier is a refrigerated cycle machine which operates on the physical principle for which when the air touches a cold surface it spills the latter transferring humidity in the form of condensation. Basically, the refrigeration unit manatins cold a coil which contains air that grows cold, then heats up and it is issued in the room dehumidified.

